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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|------------------------------------------------------------------------------------|-------------|----------------------|---------------------|------------------|
| 10/627,433 | 07/25/2003 | Michael W. Barnes | AAI-14186 | 2346 |
| 45483 | 7590 | 04/27/2005 | EXAMINER | |
| AUTOLIV ASP, INC Attn: Sally J. Brown ESQ 3350 Airport Rd OGDEN, UT 84405 | | | | HARDEE, JOHN R |
| | | ART UNIT | | PAPER NUMBER |
| | | 1751 | | |

DATE MAILED: 04/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | |
|------------------------------|------------------------|---------------------|
| Office Action Summary | Application No. | Applicant(s) |
| | 10/627,433 | BARNES ET AL. |
| | Examiner | Art Unit |
| | John R. Hardee | 1751 |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on ____.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-4 and 6-33 is/are pending in the application.
 - 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) Claim(s) ____ is/are allowed.
- 6) Claim(s) 1-4 and 6-33 is/are rejected.
- 7) Claim(s) ____ is/are objected to.
- 8) Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on ____ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. ____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
2. Claims 1-4, 7-13, 16-23, 25-29 and 31-33 remain rejected under 35 U.S.C. 103(a) as being unpatentable over Blomquist et al., US 2003/0145921 for the reasons of record in the previous office action.
3. Claim 14 remains rejected under 35 U.S.C. 103(a) as being unpatentable over Blomquist et al. in view of Holland et al., US 5,641,938 for the reasons of record in the previous office action.
4. Claims 1-4, 6, 8-13, 15, 17-24, 26-30, 32 and 33 remain rejected under 35 U.S.C. 103(a) as being unpatentable over Hinshaw et al., US 6,241,281 for the reasons of record in the previous office action.
5. Claim 14 remains rejected under 35 U.S.C. 103(a) as being unpatentable over Hinshaw et al., US 6,241,281 in view of Holland et al., US 5,641,938 for the reasons of record in the previous office action.

Response to Arguments

6. Applicant's arguments filed August 16, 2004 have been fully considered but they are not persuasive. Regarding the Blomquist reference, applicant argues that sodium nitrate is present as an HCl scavenger, placing Blomquist outside the "...at least 98%..." limitation. This is not persuasive because the claims are of "consisting essentially"

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scope, which allows for the addition of other ingredients which do not materially affect the composition. As HCl scavengers are taught as desirable, the presence of another one would not affect the composition in any detrimental fashion. The oxidizer mixture may be at least 98% basic copper oxide, as the other oxidizers are optional. Nothing in applicant's claims amounts to a negative limitation on the presence of other materials which can scavenge chlorine, when the claims are construed in the "broadest reasonable" fashion.

Applicant argues that the Hinshaw reference is quite broad and that cobalt is disclosed as the preferred metal. This is not persuasive because the reference teaches, two lines further on, that copper is also preferred. In addition, basic copper nitrate, cupric oxide and various copper nitrate complexes are specifically disclosed as suitable oxidizers, and ammonium perchlorate, common enough to have its own abbreviation--AP, is specifically described as conventional. If applicant can demonstrate some unexpected results regarding the claimed combination, this might be afforded patentable weight. Otherwise, it appears that applicant has claimed combinations of materials which are completely conventional.

7. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not

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mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to the examiner, Dr. John R. Hardee, whose telephone number is (571) 272-1318. The examiner can normally be reached on Monday through Friday from 8:00 until 4:30. In the event that the examiner is not available, his supervisor, Dr. Yogendra Gupta, may be reached at (571) 272-1316.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



John R. Hardee
Primary Examiner
April 25, 2005